



## MEMORANDUM

**TO:** HPTE BOARD OF DIRECTORS  
**FROM:** KELLY BROWN, TOLLING OPERATIONS MANAGER  
**DATE:** March 18, 2020  
**SUBJECT:** REQUEST FOR APPROVAL OF PROPOSED INITIAL 2020/2021 TOLL RATES AND SCHEDULE FOR I-25 NORTH SEGMENT 3 EXPRESS LANES (120th AVENUE to E-470)

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### Purpose and Requested Action

This memorandum presents a request from HPTE Staff that the High Performance Transportation Enterprise (HPTE) Board of Directors APPROVE the proposed initial 2020/2021 toll rates and schedule for AVI and LPT transactions for I-25 North Segment 3 (120th to E-470/NWP).

### Policy Implications

The HPTE Board of Directors would be approving the recommended the proposed initial toll rates and schedule for I-25 North Segment 3 per authority given by C.R.S. 43-4-806(2)(c)(I).

### Details

At the time of the January 2020 HPTE Board Meeting, analysis of the I-25 Segment 3 Initial toll rates and time of day time slots for the toll schedule, including a sensitivity analysis was still ongoing. Preliminary recommended fixed time of day toll rates for I-25 North Segment 3 ranged from no lower than 17 cents per mile (off peak) and no higher than 53 cents a mile for the AVI Toll rates (peak). Analysis for the I-25 Segment 3 Toll Rates has since been completed.

**Recommended New Rates:** HPTE staff recommends the final proposed initial fixed time of day toll rates and toll schedule for I-25 North Segment 3 presented in Table 1 and Table 2 below. A multi-axle surcharge of \$25 will be assessed on vehicles with 4 or more axles. This surcharge is in addition to the applicable AVI or LPT toll rate.

Table 1 and Table 2 show the proposed I-25 North Segment 3 initial time of day toll rates and schedule that were presented to the Board in January based on a traffic and revenue study conducted by our T&R consultant in 2017. In March 2020, a sensitivity analysis was conducted by the same T&R consultant with actual data from I-25 Segment 2 Express Lanes. Based on that sensitivity analysis, our toll consultant took into account updated costs, updated willingness to pay, and proposed adjusted toll rates and schedules that maximize traffic mobility while maintaining fiscally responsible toll rates. The technical memo summarizing the analysis used to recommend the toll rates and schedule for I-25 North Segment 3 is attached to this Board Memo. Tables 1 and 1 also show the time of day toll rates and time slot that have changed due to this analysis. In summary, the majority of off-peak toll rates remain unchanged or have gone down between five cents and sixty-seven cents. The peak morning AVI toll rates for southbound travel have increased between fifty and seventy cents; LPT toll rates have increased between thirty-eight and fifty-one cents. The peak afternoon AVI toll rates for northbound travel have increased between forty-five and seventy cents; LPT toll rates have increased between twelve and forty-nine cents. Only one time slot has changed as a result of completed sensitivity analysis. The overnight time slot changed from beginning at 8:00 PM to beginning an hour earlier at 7:00 PM.

Table 1

			Northbound						
			January Board Memo Proposed AVI	Updated PROPOSED AVI	Net Toll Rate Change		January Board Memo Proposed LPT	Updated PROPOSED LPT	Net Toll Rate Change
5:00 AM	-	6:00 AM	\$1.05	\$1.05	\$0.00		\$3.79	\$3.23	(\$0.56)
6:00 AM	-	6:45 AM	\$1.05	\$1.05	\$0.00		\$3.79	\$3.23	(\$0.56)
6:45 AM	-	7:15 AM	\$1.05	\$1.05	\$0.00		\$3.79	\$3.23	(\$0.56)
7:15 AM	-	8:15 AM	\$1.05	\$1.05	\$0.00		\$3.79	\$3.23	(\$0.56)
8:15 AM	-	8:45 AM	\$1.05	\$1.05	\$0.00		\$3.79	\$3.23	(\$0.56)
8:45 AM	-	10:00 AM	\$1.05	\$1.05	\$0.00		\$3.79	\$3.23	(\$0.56)
10:00 AM	-	12:00 PM	\$1.05	\$1.05	\$0.00		\$3.79	\$3.23	(\$0.56)
12:00 PM	-	3:00 PM	\$1.05	\$1.05	\$0.00		\$3.79	\$3.23	(\$0.56)
3:00 PM	-	3:30 PM	\$1.30	\$1.75	\$0.45		\$4.22	\$4.34	\$0.12
3:30 PM	-	4:30 PM	\$1.55	\$2.25	\$0.70		\$4.64	\$5.13	\$0.49
4:30 PM	-	6:00 PM	\$1.75	\$2.25	\$0.50		\$4.75	\$5.13	\$0.38
6:00 PM	-	7:00 PM	\$1.30	\$1.75	\$0.45		\$4.22	\$4.34	\$0.12
7:00 PM	-	5:00 AM	\$1.05	\$1.05	\$0.00		\$3.79	\$3.23	(\$0.56)
Weekend			\$1.05	\$1.05	\$0.00		\$3.79	\$3.23	(\$0.56)
A surcharge of \$25 will be assessed on vehicles with 4 or more axles. This surcharge is in addition to the applicable AVI or LPT toll rate.									

The overnight toll schedule time slot change has changed from 8:00 pm - 5:00 am as was shown in the January Board Memo

Table 2

			Southbound						
			January Board Memo Proposed AVI	Updated PROPOSED AVI	Net Toll Rate Change		January Board Memo Proposed LPT	Updated PROPOSED LPT	Net Toll Rate Change
5:00 AM	-	6:00 AM	\$1.05	\$1.05	\$0.00		\$3.79	\$3.23	(\$0.56)
6:00 AM	-	6:45 AM	\$1.05	\$1.05	\$0.00		\$3.79	\$3.23	(\$0.56)
6:45 AM	-	7:15 AM	\$1.30	\$2.00	\$0.70		\$4.22	\$4.73	\$0.51
7:15 AM	-	8:15 AM	\$1.75	\$2.25	\$0.50		\$4.75	\$5.13	\$0.38
8:15 AM	-	8:45 AM	\$1.55	\$2.25	\$0.70		\$4.64	\$5.13	\$0.49
8:45 AM	-	10:00 AM	\$1.30	\$1.25	(\$0.05)		\$4.22	\$3.55	(\$0.67)
10:00 AM	-	12:00 PM	\$1.05	\$1.05	\$0.00		\$3.79	\$3.23	(\$0.56)
12:00 PM	-	3:00 PM	\$1.05	\$1.05	\$0.00		\$3.79	\$3.23	(\$0.56)
3:00 PM	-	3:30 PM	\$1.05	\$1.05	\$0.00		\$3.79	\$3.23	(\$0.56)
3:30 PM	-	4:30 PM	\$1.05	\$1.05	\$0.00		\$3.79	\$3.23	(\$0.56)
4:30 PM	-	6:00 PM	\$1.05	\$1.05	\$0.00		\$3.79	\$3.23	(\$0.56)
6:00 PM	-	7:00 PM	\$1.05	\$1.05	\$0.00		\$3.79	\$3.23	(\$0.56)
7:00 PM	-	5:00 AM	\$1.05	\$1.05	\$0.00		\$3.79	\$3.23	(\$0.56)
Weekend			\$1.05	\$1.05	\$0.00		\$3.79	\$3.23	(\$0.56)
A surcharge of \$25 will be assessed on vehicles with 4 or more axles. This surcharge is in addition to the applicable AVI or LPT toll rate.									

The overnight toll schedule time slot change has changed from 8:00 pm - 5:00 am as was shown in the January Board Memo

**Board Options and Recommendations**

1. Act on Resolution #323 adopting the proposed initial toll rates and schedule for I-25 North Segment 3 which would go into effect when the Express Lane opens for tolling, currently anticipated to be June 10, 2020.  
*Note: The date that the I-25 North Segment 3 Express Lanes opens for tolling is subject to change pending any changes to the Final Acceptance Testing schedule.*
  - a. HPTE Staff recommends adopting the proposed toll rates and toll schedule.
2. Deny the request to adopt the proposed toll rates and toll schedule.

### **Next Steps**

- If adopted, HPTE staff will implement the approved 2020/2021 AVI and LPT toll rates for I-25 North Segment 3 effective 12:00 AM on the date that the I-25 North Segment 3 Express Lanes open for tolling, currently anticipated to be June 10, 2020. *Note: The date that the I-25 North Segment 3 Express Lanes opens for tolling is subject to change pending any changes to the Final Acceptance Testing schedule.*
- If the Board does not adopt the proposed initial toll rates for I-25 North Segment 3, the HPTE staff will review the Board's feedback and return to the HPTE Board in April with new proposed initial toll rates.

### **Attachments**

1. Attachment A: Board Memo January 2020\_ HPTE Board Meeting I-25 North Segments 2 and 3 Toll Range FINAL
2. Attachment B: I-25N Seg 3 Initial Toll Rates and Schedule Technical Memo FINAL
3. Attachment C: Resolution #323 Approving 2020 Toll Rates and Schedule for I-25 Segment 3



Date: January 15, 2020  
To: High Performance Transportation Enterprise Board  
From: Kelly Brown, Tolling Operations Manager  
Subject: I-25 North Segment 3 (120<sup>th</sup> to E-470/NWP) Initial Toll Rate Ranges and I-25 North Segment 2 (US 36 to 120<sup>th</sup>) Toll Rate Adjustment

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### Purpose

The purpose of this memorandum is, (1) to summarize HPTE staff's planned approach for time of day toll rates for the I-25 North Segment 3 (120<sup>th</sup> to E-470/NWP) toll lanes, and to commence and facilitate a discussion with the Board and the public regarding the establishment of toll rates ranges; and, (2) request Board review of the proposed adjusted toll rates for I-25 North Segment 2 (US 36 to 120<sup>th</sup>) Automatic Vehicle Identification via a transponder (AVI) and License Plate Toll via camera (LPT) transactions and provide comments.

### Action

This item is for information and discussion only. Approval for the proposed toll rates will be sought from the Board in March of this year.

### Background

The I-25 North Segment 3 (120<sup>th</sup> to E-470/NWP) Express Lanes are expected to open for tolled traffic in April 2020. Similar to the I-25 North Segment 2 (US 36 to 120<sup>th</sup>), Segment 3 operates as a commuter corridor with fixed time-of-day toll rates.

### Details

**I-25 North Segment 3:** HPTE staff recommends setting a base toll rate sufficient to cover toll collection costs and debt service, but low enough to attract customers to the Express Lane, even when traffic in the general purpose lanes is relatively light and the corridor is free flowing.

**I-25 Segment 3 Toll Rates Setting:** At the time of the January 2020 HPTE Board Meeting, analysis of the I-25 Segment 3 Initial toll rates and time of day time slots for the toll schedule, including a sensitivity analysis is still ongoing. Preliminary recommended fixed time of day toll rates for I-25 North Segment 3 will range from no lower than 17 cents per mile (off peak) and no higher than 53 cents a mile for the AVI Toll rates (peak). LPT toll rates will be calculated as a surcharge added to the AVI toll rate. A multi-axle surcharge of \$25 will be assessed on vehicles with 4 or more axles. This surcharge is in addition to the applicable AVI or LPT toll rate.

A proposed initial fixed time of day toll rates and toll schedule for I-25 North Segment 3 are presented in Table 1 and Table 2 below. These toll rates and this toll schedule is subject to change slightly pending the completion and outcomes of the ongoing toll rate Sensitivity Analysis.

Final proposed Toll Rates and Toll Schedule for I-25 North Segment 3 will be presented to the Board at the March 2020 meeting.

Table 1: Proposed Initial Fixed Time of Day Toll Rates and Toll Schedule For I-25 North Segment 3 Northbound

Seg. 3			Northbound	
			AVI	LPT
5:00 AM	-	6:00 AM	\$1.05	\$3.79
6:00 AM	-	6:45 AM	\$1.05	\$3.79
10:48 AM	-	7:15 AM	\$1.05	\$3.79
7:15 AM	-	8:15 AM	\$1.05	\$3.79
8:15 AM	-	8:45 AM	\$1.05	\$3.79
8:45 AM	-	10:00 AM	\$1.05	\$3.79
10:00 AM	-	12:00 PM	\$1.05	\$3.79
12:00 PM	-	3:00 PM	\$1.05	\$3.79
3:00 PM	-	3:30 PM	\$1.30	\$4.22
3:30 PM	-	4:30 PM	\$1.55	\$4.64
4:30 PM	-	6:00 PM	\$1.75	\$4.75
6:00 PM	-	8:00 PM	\$1.30	\$4.22
8:00 PM	-	5:00 AM	\$1.05	\$3.79
Weekend			\$1.05	\$3.79

Table 2: Proposed Initial Fixed Time of Day Toll Rates and Toll Schedule For I-25 North Segment 3 Southbound

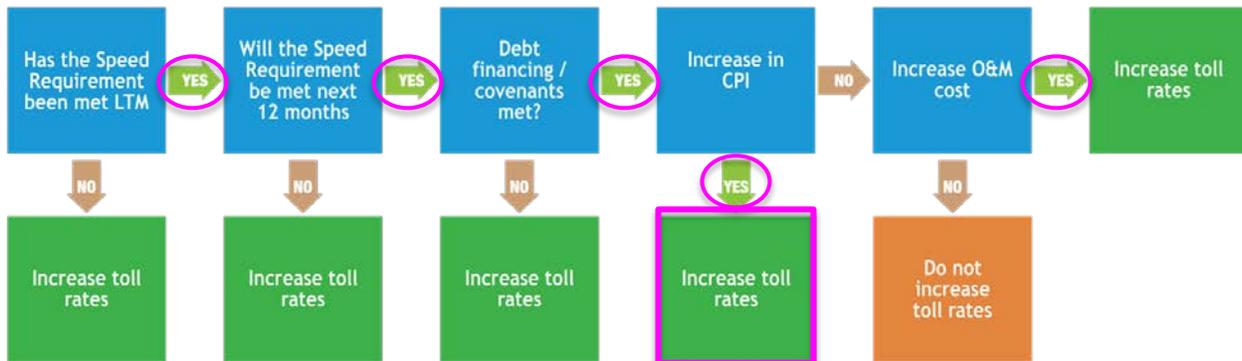
Seg. 3			Southbound	
			CURRENT AVI	CURRENT LPT
5:00 AM	-	6:00 AM	\$1.05	\$3.79
6:00 AM	-	6:45 AM	\$1.05	\$3.79
6:45 AM	-	7:15 AM	\$1.30	\$4.22
7:15 AM	-	8:15 AM	\$1.75	\$4.75
8:15 AM	-	8:45 AM	\$1.55	\$4.64
8:45 AM	-	10:00 AM	\$1.30	\$4.22
10:00 AM	-	12:00 PM	\$1.05	\$3.79
12:00 PM	-	3:00 PM	\$1.05	\$3.79
3:00 PM	-	3:30 PM	\$1.05	\$3.79
3:30 PM	-	4:30 PM	\$1.05	\$3.79
4:30 PM	-	6:00 PM	\$1.05	\$3.79
6:00 PM	-	8:00 PM	\$1.05	\$3.79
8:00 PM	-	5:00 AM	\$1.05	\$3.79
Weekend			\$1.05	\$3.79

I-25 North Segment 2: HPTE has an annual toll rate adjustment process every year where Express Lane toll rate adjustments are considered. During the annual toll rate adjustment process in summer 2019, HPTE staff recommended that the annual toll rate adjustments for Segment 2 be deferred until I-25 North Segment 3 opened for operations. Then at that time, initial toll rates for Segment 3 and a proposed toll rate adjustment for Segment 2 would be jointly presented to the HPTE Board. Going forward, Segments 2 and 3 will be put on the same toll rate adjustment schedule. Therefore, the next time staff will possibly come to the Board with a toll rate adjustment on this corridor is spring 2021.

If approved by the Board at the March 2020 meeting, the Segment 2 adjusted toll rates would go into effect on the same date that Segment 3 opens for tolling.

**Methodology for I-25 Segment 2 Toll Rates adjustment:** HPTE staff analyzed the potential need for toll rate adjustments on Segment 2 using the matrix shown in Figure 1. The factors contributing to the proposed toll rate adjustment for Segment 2 are circled.

Figure 1: Segment 2 Toll Rate Adjustment Decision Matrix for 2020 Toll Rate Adjustment



### Summary of Findings

Based on the below analysis, HPTE staff recommends an adjustment of AVI and LPT toll rates of six and a half percent (6.5%). The multi-axle (4+) surcharge remains unchanged at \$25.

**Traffic Management:** The Express Lanes average speeds met the speed requirement for the last 12 months and are expected to meet the speed requirement for the next 12 months.

In addition, the traffic Level of Service (LOS) for I-25 North Segment 2 was analyzed to assess the performance of the Express Lanes. The data used for this analysis included:

- Average speed in the general purpose and Express Lanes
- Traffic volumes in the general purpose and Express Lanes
- Information on events (lane closures, maintenance etc.) that occurred along the segment of I-25 as identified in the corridor's Event Audit Report
- Historic weather data

Based on the data studied, the Express Lanes are performing as intended in providing reliable speeds and travel times.

**Inflation:** To estimate inflation adjustment, HPTE staff evaluated the changes in the Denver-Aurora-Lakewood Consumer Price Index (CPI). The Consumer Price Index increased by 3.1 percent between April 2018 and November 2019. This is the CPI data for the period between the last toll adjustment analysis and the latest data available for the current toll rate adjustment analysis.

**Operations/Maintenance Costs:** HPTE staff analyzed the costs of operations/maintenance on Segment 2. CDOT O&M costs are expected to increase by 1.9 percent for the 2020/2021 operating period based on projected inflation rates for the Denver-Aurora-Lakewood Consumer Price Index.

**Toll Transaction Processing Costs:** HPTE staff analyzed the costs of toll collections on Segment 2. Toll collection costs increase by five percent yearly per the Tolling Services Agreement with E-470.

**Recommended New Rates**

HPTE staff recommends the proposed new AVI and LPT toll rates for the toll schedule shown below in Tables 3 and 4 below. The recommended proposed toll rate for AVI was made by multiplying the current AVI toll rate by 6.5 percent then taking that figure and rounding down to the nearest multiple of \$0.05. For example, in the table below, the new AVI toll rate of \$1.10 was rounded down from \$1.12. The new recommended proposed LPT toll rate was made by multiplying the current LPT toll rate by 6.5 percent and has not been rounded. There is no change to the multi-axle (4+) surcharge; it remains at \$25.

*Table 3: Proposed New Adjusted AVI and LPT toll rates for I-25 North Segment 2 Northbound*

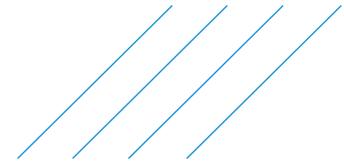
6.5% INCREASE			Northbound			
			CURRENT AVI	PROPOSED NEW AVI	CURRENT LPT	PROPOSED NEW LPT
5:00 AM	-	6:00 AM	\$1.05	\$1.10	\$3.79	\$4.04
6:00 AM	-	6:45 AM	\$1.05	\$1.10	\$3.79	\$4.04
6:45 AM	-	7:15 AM	\$1.05	\$1.10	\$3.79	\$4.04
7:15 AM	-	8:15 AM	\$1.05	\$1.10	\$3.79	\$4.04
8:15 AM	-	8:45 AM	\$1.05	\$1.10	\$3.79	\$4.04
8:45 AM	-	10:00 AM	\$1.05	\$1.10	\$3.79	\$4.04
10:00 AM	-	12:00 PM	\$1.05	\$1.10	\$3.79	\$4.04
12:00 PM	-	3:00 PM	\$1.05	\$1.10	\$3.79	\$4.04
3:00 PM	-	3:30 PM	\$1.30	\$1.35	\$4.22	\$4.49
3:30 PM	-	4:30 PM	\$1.55	\$1.65	\$4.64	\$4.94
4:30 PM	-	6:00 PM	\$3.15	\$3.35	\$7.15	\$7.61
6:00 PM	-	8:00 PM	\$1.30	\$1.35	\$4.22	\$4.49
8:00 PM	-	5:00 AM	\$1.05	\$1.10	\$3.79	\$4.04
Weekend			\$1.30	\$1.35	\$4.22	\$4.49

*Table 4: Proposed New Adjusted AVI and LPT toll rates for I-25 North Segment 2 Southbound*

6.5% INCREASE			Southbound			
			CURRENT AVI	PROPOSED NEW AVI	CURRENT LPT	PROPOSED NEW LPT
5:00 AM	-	6:00 AM	\$1.05	\$1.10	\$3.79	\$4.04
6:00 AM	-	6:45 AM	\$1.05	\$1.10	\$3.79	\$4.04
6:45 AM	-	7:15 AM	\$1.30	\$1.35	\$4.22	\$4.49
7:15 AM	-	8:15 AM	\$2.35	\$2.50	\$5.89	\$6.27
8:15 AM	-	8:45 AM	\$1.55	\$1.65	\$4.64	\$4.94
8:45 AM	-	10:00 AM	\$1.30	\$1.35	\$4.22	\$4.49
10:00 AM	-	12:00 PM	\$1.05	\$1.10	\$3.79	\$4.04
12:00 PM	-	3:00 PM	\$1.05	\$1.10	\$3.79	\$4.04
3:00 PM	-	3:30 PM	\$1.05	\$1.10	\$3.79	\$4.04
3:30 PM	-	4:30 PM	\$1.05	\$1.10	\$3.79	\$4.04
4:30 PM	-	6:00 PM	\$1.05	\$1.10	\$3.79	\$4.04
6:00 PM	-	8:00 PM	\$1.05	\$1.10	\$3.79	\$4.04
8:00 PM	-	5:00 AM	\$1.05	\$1.10	\$3.79	\$4.04
Weekend			\$1.30	\$1.35	\$4.22	\$4.49

### Next Steps

- The Board is being asked to review the recommended proposed AVI and LPT toll rates range for I-25 North Segment 3 and provide feedback.
- The Board is being asked to review the recommended proposed AVI and LPT toll rate adjustments range for I-25 North Segment 2 and provide feedback.
- HPTE staff will update the Segment 3 toll rates and/or toll schedule if necessary once the ongoing Traffic and Revenue Study and ongoing Sensitivity Analysis are complete and present the updated toll rates and/or toll schedule at the March Board meeting.
- HPTE staff will integrate any requested changes to the recommended proposed AVI and LPT toll rates for I-25 North Segment 2 and Segment 3 and will return to the Board in March for final adoption of AVI and LPT toll rates for I-25 North Segment 2 and Segment 3.
- HPTE staff will begin the Public Outreach process.



## Memo

To: Kelly Brown, High Performance Transportation Enterprise (HPTE)

From:	Rami Harb, Atkins	Email:	rami.harb@atkinsglobal.com
Date:	March 12, 2020	Phone:	720-475-7075
Ref:	I-25 North (Segment 3) Express Lanes (120th Avenue to E-470)	cc:	

Subject: Toll Rate Setting- I-25 Segment 3

## 1. Introduction

CDM Smith conducted an investment-grade Traffic and Revenue (T&R) study for Segment 3 (120th Avenue to E-470) of the Interstate 25 (I-25) North Express Lanes. Atkins North America, Inc., (Atkins) has been tasked by the Colorado High Performance Transportation Enterprise (HPTE) with setting toll rates for this segment of I-25 North based on the models developed by CDM Smith, while also accounting for toll operations cost and revenue leakage.

## 2. Project Limits and Tolling

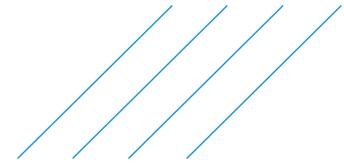
The 5-mile-long I-25 North Segment 3 Express Lanes extend from 120th Avenue to E-470/ Northwest Parkway. These Express Lanes connect with the I-25 North Segment 2 Express Lanes from U.S. Highway 36 (US 36) to 120th Avenue. There are three entry/exit points along Segment 3, but all drivers pay the same toll price for any distance travelled along Segment 3 Express Lanes. Overhead signs indicate toll prices, which change by the time of day.

## 3. Operations Policy

The operations policy for the I-25 North Segment 3 Express Lanes is summarized below:

- Hours of operation: 24 hours a day, 7 days a week, 365 days a year.
- HOV vehicles with three or more passengers use the Express Lanes for free.
- Motorcycles use the Express Lanes for free.
- Vehicles with four or more axles pay a surcharge of \$25.
- The tolling regime is Time-of-Day (TOD) pricing.

A comparative table of operations policy for all Colorado express lanes, including I-25 North Express Lanes, is provided in **Appendix 1**.



## 4. Calculation of Transponder Rates

In calculating the Transponder or Automatic Vehicle Identification (AVI) toll rates, the following assumptions were made:

- Tolls will be charged based on a Time-of-Day methodology consistent with the current regime on I-25 Central, I-25 North Segment 1, and US 36, and not on a dynamic tolling basis.
- The minimum AVI toll rate is set to recover the AVI toll operation cost.
- Toll rates are set based upon models developed by the T&R consultant.
- The maximum toll rate is capped at \$2.25 for the opening year.

## 5. License Plate Tolling (LPT) Surcharge

License plate tolling (LPT) costs more than AVI tolling due to additional back office costs and LPT leakage. Therefore, LPT rates are developed by imposing a surcharge on the AVI toll rates.

- LPT surcharge covers (1) back office additional cost, and (2) LPT leakage.
- LPT leakage is assumed at 40 percent based on historical data.
- LPT leakage includes uncollectable and unbillable LPT transactions.

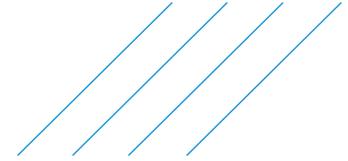
## 6. Recommended Toll Rates

**Table 1** below shows the TOD AVI toll rates, as well as the LPT rates for the year 2020 when the I-25 North Segment 3 Express Lanes are expected to open to the public.

**Table 1: Time-of-Day Transponder/AVI and LPT Rates for 2- and 3-Axle Vehicles for 2020**

	Time of Day	NB		SB	
		AVI	LPT	AVI	LPT
Weekday	5AM - 6AM	\$ 1.05	\$ 3.23	\$ 1.05	\$ 3.23
	6AM - 6:45AM	\$ 1.05	\$ 3.23	\$ 1.05	\$ 3.23
	6:45AM - 7:15AM	\$ 1.05	\$ 3.23	\$ 2.00	\$ 4.73
	7:15AM - 8:15AM	\$ 1.05	\$ 3.23	\$ 2.25	\$ 5.13
	8:15AM - 8:45AM	\$ 1.05	\$ 3.23	\$ 2.25	\$ 5.13
	8:45AM - 10:00AM	\$ 1.05	\$ 3.23	\$ 1.25	\$ 3.55
	10AM - 12PM	\$ 1.05	\$ 3.23	\$ 1.05	\$ 3.23
	12PM - 3PM	\$ 1.05	\$ 3.23	\$ 1.05	\$ 3.23
	3PM - 3:30PM	\$ 1.75	\$ 4.34	\$ 1.05	\$ 3.23
	3:30PM - 4:30PM	\$ 2.25	\$ 5.13	\$ 1.05	\$ 3.23
	4:30PM - 6PM	\$ 2.25	\$ 5.13	\$ 1.05	\$ 3.23
	6PM - 7PM	\$ 1.75	\$ 4.34	\$ 1.05	\$ 3.23
	7PM-5AM	\$ 1.05	\$ 3.23	\$ 1.05	\$ 3.23
Weekend	-	\$ 1.05	\$ 3.23	\$ 1.05	\$ 3.23

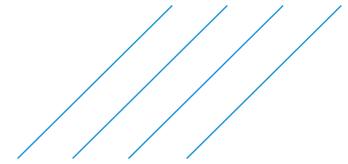
**Appendix 2** shows a comparison of maximum toll rate per mile for all tolled roadways operating in the United States, including I-25 North Express Lanes.



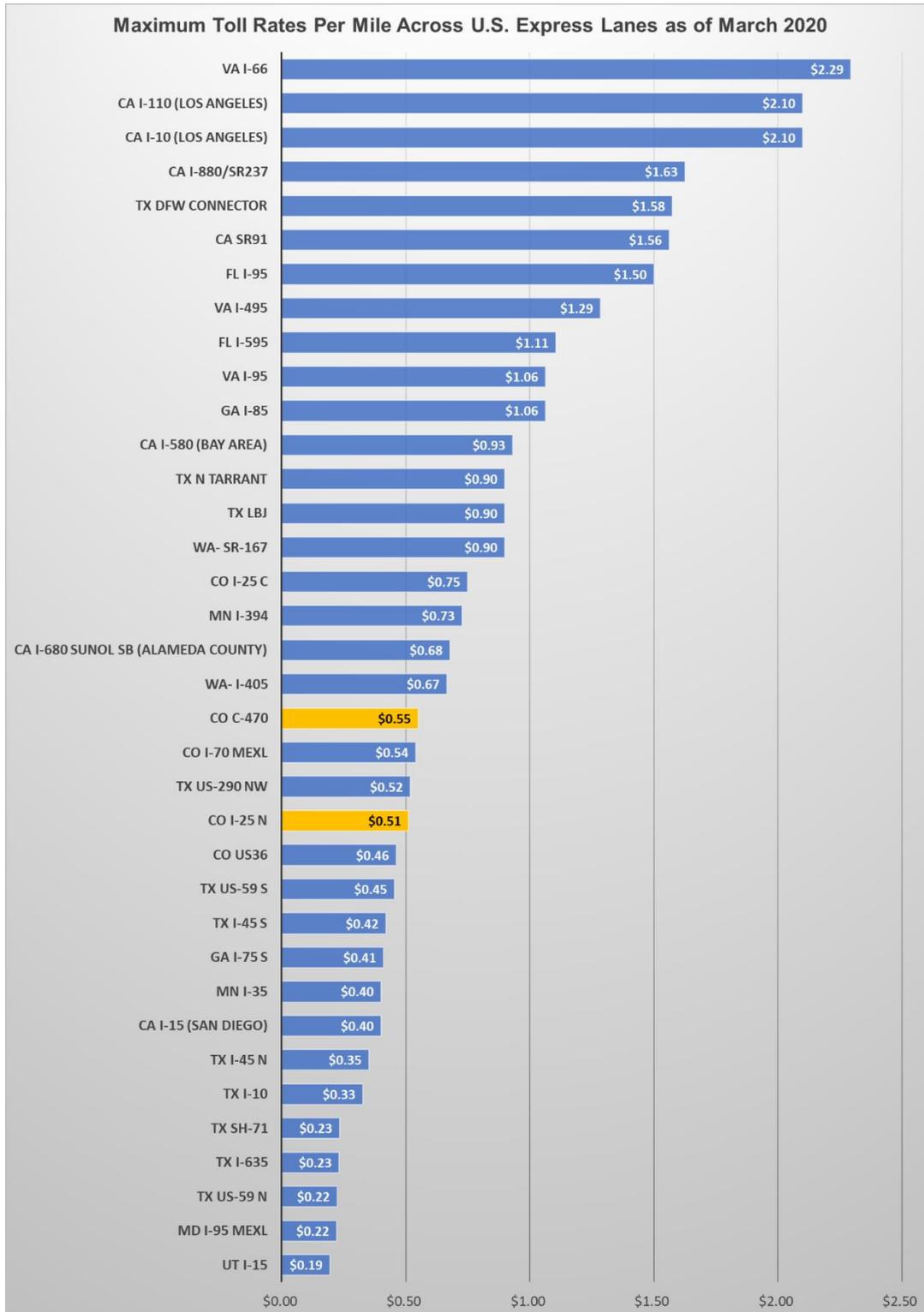
## APPENDIX 1: Express Lanes Operations Policy

	Eastbound I-70 Mountain Express Lane	I-25 Central Express Lanes (reversible)	I-25 North Express Lanes	US 36 Express Lanes	C-470 Express Lanes
<b>Open 24/7</b>	No <sup>1</sup>	No <sup>2</sup>	Yes	Yes	Yes
<b>Tolling Regime</b>	Dynamic rate	Time-of-day	Time-of-day	Time-of-day	Time-of-day
<b>HOV Discount</b>	No discount	HOV3+ free <sup>3</sup>	HOV3+ free <sup>3</sup>	HOV3+ free <sup>3</sup>	No discount
<b>Motorcycle Policy</b>	No discount	Free	Free	Free	Free
<b>Hybrid / Electric Vehicle Policy</b>	No discount	TBD <sup>4</sup>	TBD <sup>4</sup>	TBD <sup>4</sup>	No discount
<b>Trucks / Trailers</b>	Not allowed	\$25 surcharge for 4+ axles	\$25 surcharge for 4+ axles (for each Segment 2 and 3)	\$25 surcharge per toll point for 4+ axles	\$25 surcharge per zone for 4+ axles
<b>Transit Buses</b>	Not allowed	Allowed	Allowed	Allowed	Allowed, but no transit routes exist currently

<sup>1</sup>Open on weekends, holidays, and on special occasions  
<sup>2</sup>On weekdays, southbound travel is open from 5 a.m. to 11 a.m., northbound travel is open from noon to 3 a.m. On weekends, northbound lanes are open from Friday noon until Monday 3 a.m.  
<sup>3</sup>HOV 3+ vehicles must have an ExpressToll account and Switchable HOV transponder to avail discount  
<sup>4</sup>Hybrid/Elective vehicles can use US 36 and I-25 Central Express Lanes for free until May 31, 2020.



## APPENDIX 2: Toll Rates Per Mile



NOTE: 1) Highlighted Express Lanes will go live in 2020.

2) CO I-25 N extends from US 36 to E-470 over 11 miles and comprises I-25 Segment 2 and Segment 3.

3) CO C-470 comprises Segment 1 from I-25 to Wadsworth Blvd.

**Resolution – HPTE #323**

**Approving a Proposed Toll Schedule for the I-25 North Express Lanes: 120<sup>th</sup> Avenue to Northwest Parkway/E-470 (Segment 3)**

**WHEREAS**, pursuant to Section 43-4-806, *et seq.*, C.R.S., the General Assembly of the State of Colorado created the Colorado High Performance Transportation Enterprise (“HPTE”) as a government-owned business within the Colorado Department of Transportation (“CDOT”) to pursue innovative means of more efficiently financing important surface transportation projects that will improve the safety, capacity, and accessibility of the surface transportation system; and

**WHEREAS**, pursuant to Section 43-4-806(2)(c)(I), C.R.S., the HPTE Board of Directors (the “Board”) has the authority to establish user fees for the privilege of using surface transportation infrastructure; and

**WHEREAS**, HPTE, in partnership with CDOT, is completing construction and preparing to commence tolling operations on the I-25 North Express Lanes: 120<sup>th</sup> Avenue to Northwest Parkway/E-470 (Segment 3) (“Segment 3 Express Lanes Project”), consisting of one tolled express lane in each direction for that Segment; and

**WHEREAS**, HPTE has conducted public outreach on the user fee rates proposed for Segment 3, attached hereto and incorporated herein as **Exhibit A** (the “Segment 3 Toll Schedule”), submitted by HPTE staff and made the feedback received from the public available to the Board for its review; and

**WHEREAS**, the Board has reviewed the range of user fee rates proposed in the Segment 3 Toll Schedule, and based on the information presently available, considers the proposed toll rates to be reasonable, appropriate and compliant with HPTE’s Tolling Policy for initial toll rate setting.

**NOW THEREFORE BE IT RESOLVED**, the Board of the HPTE hereby approves and adopts the proposed range of user fee rates for the I-25 North Segment 3 Project set forth in the Toll Schedule attached to this Resolution, to be effective as of the date of commencement of tolling operations on I-25 North Segment 3.

Signed as of March 18, 2020

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Simon Logan  
Secretary, HPTE Board of Directors

**Exhibit A to HPTE Resolution #323  
(I-25 North Segment 3 Toll Rates and Schedule)**

<b>Northbound</b>				
			<b>PROPOSED AVI</b>	<b>PROPOSED LPT</b>
5:00 AM	-	6:00 AM	\$1.05	\$3.23
6:00 AM	-	6:45 AM	\$1.05	\$3.23
6:45 AM	-	7:15 AM	\$1.05	\$3.23
7:15 AM	-	8:15 AM	\$1.05	\$3.23
8:15 AM	-	8:45 AM	\$1.05	\$3.23
8:45 AM	-	10:00 AM	\$1.05	\$3.23
10:00 AM	-	12:00 PM	\$1.05	\$3.23
12:00 PM	-	3:00 PM	\$1.05	\$3.23
3:00 PM	-	3:30 PM	\$1.75	\$4.34
3:30 PM	-	4:30 PM	\$2.25	\$5.13
4:30 PM	-	6:00 PM	\$2.25	\$5.13
6:00 PM	-	7:00 PM	\$1.75	\$4.34
7:00 PM	-	5:00 AM	\$1.05	\$3.23
Weekend			\$1.05	\$3.23

**A surcharge of \$25 will be assessed on vehicles with 4 or more axles.  
This surcharge is in addition to the applicable AVI or LPT toll rate.**

<b>Southbound</b>				
			<b>PROPOSED AVI</b>	<b>PROPOSED LPT</b>
5:00 AM	-	6:00 AM	\$1.05	\$3.23
6:00 AM	-	6:45 AM	\$1.05	\$3.23
6:45 AM	-	7:15 AM	\$2.00	\$4.73
7:15 AM	-	8:15 AM	\$2.25	\$5.13
8:15 AM	-	8:45 AM	\$2.25	\$5.13
8:45 AM	-	10:00 AM	\$1.25	\$3.55
10:00 AM	-	12:00 PM	\$1.05	\$3.23
12:00 PM	-	3:00 PM	\$1.05	\$3.23
3:00 PM	-	3:30 PM	\$1.05	\$3.23
3:30 PM	-	4:30 PM	\$1.05	\$3.23
4:30 PM	-	6:00 PM	\$1.05	\$3.23
6:00 PM	-	7:00 PM	\$1.05	\$3.23
7:00 PM	-	5:00 AM	\$1.05	\$3.23
Weekend			\$1.05	\$3.23

**A surcharge of \$25 will be assessed on vehicles with 4 or more axles.  
This surcharge is in addition to the applicable AVI or LPT toll rate.**

